FEDERAL SUPPLY CLASS
4730

MA2042

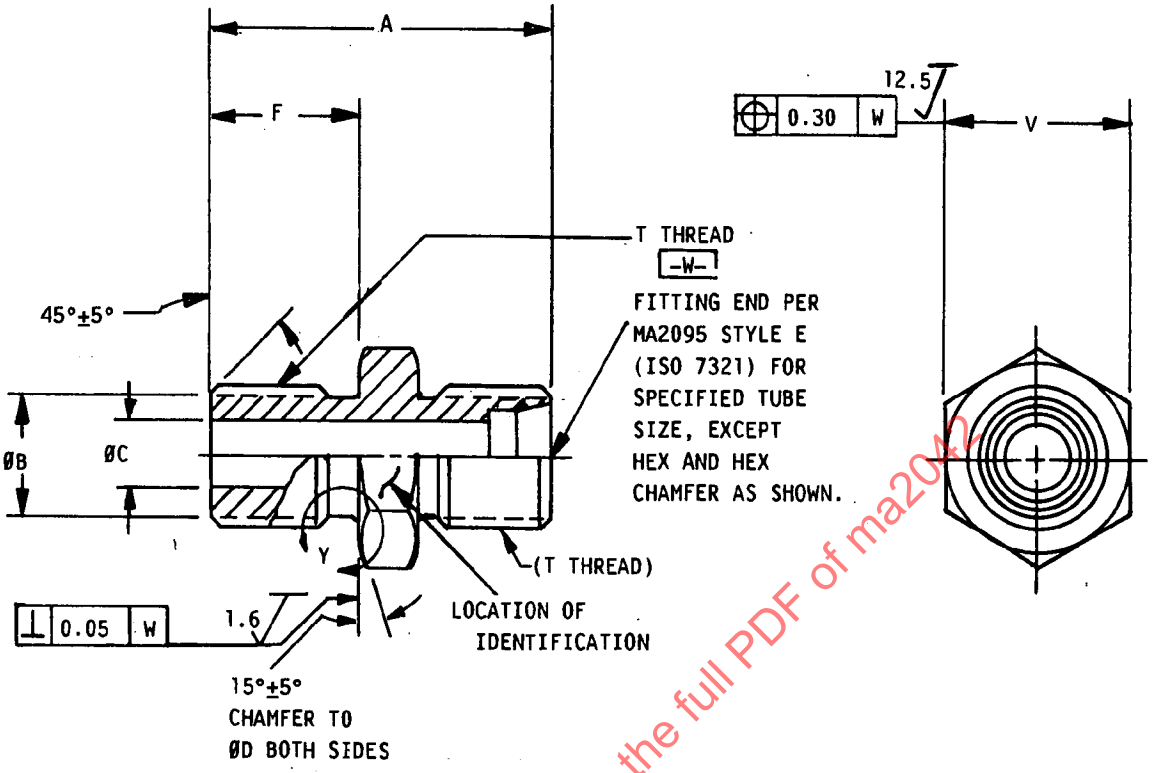

FIGURE 1 - FRONT AND SIDE VIEWS

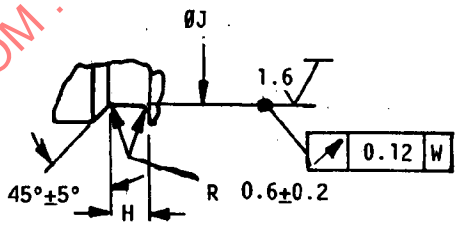

FIGURE 2 - ENLARGED VIEW "Y"

ISSUED 1991-06-26 REVISED

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION MA2005 (ISO7169)

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

ADAPTER, PORT CONNECTION TO FLARELESS, 24° CONE, METRIC

MA2042

90-1001A/EG

TABLE 1 - DIMENSIONS

PART NUMBER	TUBE SIZE /9/ DN	T THREAD PER MA1370 4g6g	A ±0.3	B 0 -0.5	C ±0.1	O +0.5 0	F 0 -0.2	H +0.4 0	J	V
MA2042( )05	05	MJ10X1	24.5	8.6	4.3	16.8	10.0	1.9	8.22- 8.30	16.73-17.00 h13
MA2042( )06	06	MJ12X1.25	27.5	10.2	5.3	18.7	11.5	1.9	10.02-10.10	18.67-19.00 h13
MA2042( )08	08	MJ14X1.5	35.5	11.9	7.1	21.7	15.0	3.4	11.60-11.70	21.67-22.00 h13
MA2042( )10	10	MJ16X1.5	36.5	13.9	9.1	23.7	15.0	3.4	13.60-13.70	23.67-24.00 h13
MA2042( )12	12	MJ18X1.5	36.5	15.9	10.9	26.7	15.0	3.4	15.60-15.70	26.67-27.00 h13
MA2042( )14	14	MJ20X1.5	36.5	17.9	12.5	29.7	15.0	3.4	17.60-17.70	29.67-30.00 h13
MA2042( )16	16	MJ22X1.5	36.5	19.9	14.5	29.7	15.0	3.4	19.60-19.70	29.67-30.00 h13
MA2042( )20	20	MJ27X1.5	36.5	24.9	18.1	35.4	15.0	3.4	24.60-24.70	35.38-36.00 h14
MA2042( )25	25	MJ33X1.5	36.5	30.9	22.5	40.4	15.0	3.4	30.60-30.70	40.38-41.00 h14
MA2042( )32	32	MJ42X2	45.5	39.3	29.3	49.4	19.0	4.3	38.85-39.00	49.38-50.00 h14
MA2042( )40	40	MJ50X2	45.5	47.3	37.3	59.3	19.0	4.3	46.85-47.00	59.26-60.00 h14

NOTES:

1. MATERIAL SHALL BE IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.
   a. ALUMINUM ALLOY:
      (1) CODE LETTER D = 2024-T6, T62, OR T851 PER QQ-A-225/6
      (2) CODE LETTER W = 7075-T73 PER QQ-A-225/9
   b. CRES:
      (1) CODE LETTER J = 304 PER QQ-S-763
      (2) CODE LETTER K = 316 PER QQ-S-763
      (3) CODE LETTER R = 321 PER QQ-S-763
   c. TITANIUM ALLOY:
      (1) CODE LETTER T = 6AL-4V PER AMS 4928
2. FINISH: SEE PROCUREMENT SPECIFICATION.
3. IDENTIFICATION MARKING, CLEANING, AND PACKAGING PER THE PROCUREMENT SPECIFICATION.
4. TITANIUM PARTS SHALL NOT BE USED IN OXYGEN SYSTEMS.
5. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36 AND REQUIREMENTS PER ANSI/ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES ARE TO BE 3.2 µm R_a.
6. BREAK EDGES 0.1 TO 0.4 UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M.
8. DIMENSIONING IN MILLIMETERS.

/9/ DN = NOMINAL TUBE OUTSIDE DIAMETER.

10. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE FITTING ASSEMBLY. USERS OF THIS STANDARD ARE ADVISED TO CONTROL SOURCE APPROVAL(S) BY A STANDARD PAGE SUPPLEMENT OR SIMILAR MEANS.